# ABEDA INAMDAR COLLEGE PUNE

Diploma Course In Pre production and 2d Animation

(Faculty of Science & Technology)

# **2D** Animation

**Choice Based Credit System Syllabus** 

To be implemented from Academic Year 2021-2022

# Title of the Course: Diploma Course In Pre Production

## & 2D Animation

#### Preamble:

Animation is the most emerging and fast-growing industries in India and the whole world is taking notice of the efficiency, skill and talent available in the country in these fields. To aid further growth of these industries, it is extremely important that formal and professional level training programs and courses are introduced at University and College levels to create highly skilled and trained professionals for this Industry. 2d Animation is an important segment in this Industry and this course is being introduced to train people in the field of 2d animation which is an inherent part of a variety of industries today and find applications in industries even beyond Animation, Media and Entertainment

#### Introduction:

Students are introduced to Digital 2D animation using any one of the popular 2D Animation Softwares. This course introduces students to Digital 2D animation. The basic tools and techniques are learned through various practical assignments. Objective of this course to provide with overall knowledge of 2d animation, that covers all aspects of 2d techniques. It will help to develop aesthetic sense in the students, and to make students capable of working in a 2d animation studio.

#### **Prerequisite:**

- Students must have basic operational knowledge of computers.
- Students must understand English language.
- Students must have basic knowledge of the Internet.

Duration: The Program comprises Two semesters .

**Evaluation:** Four semesters program with the combination of 60% Semester End Examination and 40% Continuous Evaluation per semester.

Eligibility: 10+2 Any S

## Titles of Papers, Credit Allocation and Scheme of Evaluation

Semester I

Paper Code	Course Type	Paper title	Credi	ts	l	Evaluat	ion
			т	Ρ	CE	SE E	Total
	Core Credit Theory	Script writing and storyboarding for Animation	4	-	40	60	100
	Core Credit Theory	Basic drawing I	4	-	40	60	100
	Core Credit Theory	Animation Process and Visual Form	4	-	40	60	100
	Core Credit Practical	Digital image editing	-	4	40	60	100
	Core Credit Practical	Digital 2D Animation I	-	4	40	60	100
	Core Credit Practical	Audio Video editing	-	4	40	60	100
	Core Credit Practical	Project/Portfolio	-	6	60	90	150

### (Total credits=30)

Total	12	18	300	450	750

#### Abbreviation:

T: Theory

**P: Practical** 

CE: Continuous evaluation

SEE: Semester End Examination

#### Semester II

### (Total credits=30)

Paper Code	Course Type	Paper title	Credits Eval		Evaluat	luation	
			т	Р	CE	SEE	Total
	Core Credit Theory	Introduction to Photography	4	-	40	60	100
	Core Credit Theory	Principle of Animation	4	-	40	60	100
	Core Credit Theory	Basic drawing II	4	-	40	60	100
	Core Credit Practical	BG Design	-	4	40	60	100
	Core Credit Practical	Project/Portfolio	-	8	80	120	200
	Core Credit Practical	On job training	-	6	60	90	150
Total		12	18	300	450	750	

Abbreviation:

T: Theory

P: Practical

CE: Continuous evaluation

SEE: Semester End Examination

# Semester - 1

	Semester - I	
	Paper - I	
Course Type: Core Co	urse Theory Course Co	ode:
Course Title : Script w	riting and storyboarding for Animation	
	No. of Credits	
Teaching Scheme	4	Examination Scheme
5 Hours / Week	4	CE : 40Marks
		SEE: 60Marks
Course Objectives:		
1. Includes pre-production	stages like idea creation, story development, scriptir	ng, storyboarding etc.
•	proaches to drawing suggested backgrounds for you	Ir boards from rough blocking
to adding perspective and l	now to draw depth and space in your panels.	
Course Outcomes:		
1.Learn the ways of drawin	g boards for animation	
2. Animation principles and	design	
3. Character design, charact	er posing and expression.	
4. Understanding drawing t		
5.Learn storyboard design	for multimedia and animation	
	Course Contents	
Chapter 1	Script Writing	10 Hour
1.1 Developing Idea / Conc	ept - Story	
1.1 Basic Elements of a Sto	ry, Structure of A Story	
1.2 Concept of Acts – Them	e – Subplots – Tone – Genre	
1.3 Writing for Different Ty	pes and Groups Of Audience	
1.4 Animation Script Vs. Liv	e Action Movie Script	
Chapter 2	Storyboard	10 Hour
2.1 StoryBoard		•
2.2 Importance Of Storyboa	rd & Advantage	
2.3Different Types of Story	boards	
2.4 Storyboard Formats		

Chapter 3	Elements of Storyboarding:	10 Hour
<ul> <li>3.1Design, Color, Light and</li> <li>3.2Application Of Staging</li> <li>3.3Composition Rules</li> <li>3.4 Concept Of Panels and</li> <li>3.5 Storyboarding Movement</li> </ul>	Its Usages	
Chapter 4	Illustrating Camera Techniques In A Story Board	15 Hour
<ul><li>4.1 Visual Continuity</li><li>4.2 Transitions</li><li>4.3 Digital Storyboarding</li><li>4.4 Camera movement</li></ul>		
Chapter 5	Creation af Animatic	15 Hour
<ul><li>5.1 Scanning Storyboard</li><li>5.2 Understanding timeli</li><li>5.3 Sequence of shots</li><li>5.4 Understanding transit</li></ul>		
<b>Reference Books:</b>		
<ol> <li>How to Draw Anima and Layouts : Christ</li> </ol>	toryboard : Don Bluth - Dark Horse Comics, 2004 ation - Learn the Art of Animation from Character Des opher Hart - Watson-Guptill; New ed. edition board - Storyboarding for Film, TV, and Animation : Jo	. ,

[						
Semester - I						
	Paper - II					
Course Type: Core Co	urse Theory Course Co	ode:				
Course Title : Basic drawing I						
Teaching Scheme	No. of Credits	Examination Scheme				
5 Hours / Week	4	CE : 40Marks SEE: 60Marks				
<ul> <li>Course Objectives:</li> <li>1. This course is intended to provide the student a basic understanding of drawing techniques.</li> <li>2. Students develop a basic skill in drawing through various exercises.</li> <li>3. This course also helps the students to have an idea about the history of art in general.</li> </ul>						
<ul> <li>Course Outcomes: On completion of this course, students will be able to : <ol> <li>Advanced Concept of Perspective Drawing</li> <li>The ability to draw just about anything in space accurately</li> <li>To be able to design believable world</li> <li>Expand your Visual library</li> <li>Story driven visualization</li> <li>Best practice &amp; habit forming for a life in art and design</li> <li>Time as a resource</li> <li>To focus, channel and utilize creative energies optimally in order to achieve course objectives and get ready for a career in art.</li> </ol> </li> </ul>						
Course Contents						
Chapter 1	A Brief History of Art and Drawing	10 Hour				
<ul><li>1.1A Brief History of Art an</li><li>1.1 Cavemen</li><li>1.2 Classical Art</li><li>1.3 Renaissance</li><li>1.4 Modern Art</li></ul>	d Drawing					

Chapter 2	Introduction of Different Drawing Materials And Tools	5 Hour				
2.2 Wet Media – (Dip Pens	narcoals, Chalks, Crayons – Pastels, Erasers, Smudgin, Disposable and Cartridge Pens) – ks (Water Based, Alcohol Based, Indian/Chinese Ink) crylic, Oil)	g Tools) —				
Chapter 3	Drawing Surfaces	15 Hour				
3.2Watercolor Paper - Char 3.3Drawing Surfaces – (Scr	<ul> <li>3.1 Drawing Surfaces – (Papers – Newsprint – Vellum - Bristol Board - Rag/Cotton Paper</li> <li>3.2Watercolor Paper - Charcoal Paper - Colored Paper - Rice Paper – How To Handle These Papers)</li> <li>3.3Drawing Surfaces – (Scratchboards) –</li> <li>3.4Tools For Erasing And Sharpening – Palettes – Knives- Easels .</li> </ul>					
Chapter 4	Basic Drawing	15 Hour				
4.2Drawing From Observat	Ovals, Scribbles, Patterns Etc. – ion, Doodling and Noodling – Free Hand Drawing – Holding the Pencil					
Chapter 5	Basic element and principle of composition	15 Hour				
5.2 Basic Geometric Shape	nciples In Picture Composition s and Forms ues - Rule of Thirds - Rule of Odds - Rule Of Space – S	implification.				
<ul> <li>Publications,</li> <li>2. Exploring The Eleme Custom Publishing;</li> <li>3. The Art Of Composition</li> <li>4. The Art Of Pictorial</li> </ul>	solute And Utter Beginner: Claire Watson Garcia - W ents Of Design : Mark A. Thomas, Poppy Evans- CENG 3rd edition tion : Michael Jacobs - Doubleday Composition : Wolchonok - Dover (January 1, 1969) t : Arnold Hauser - Routledge (May 20, 1999)					

Semester - I         Paper - III         Course Type: Core Course Theory       Course Code:         Course Title : Animation Process And Visual Form         Teaching Scheme       No. of Credits         5 Hours / Week       4       Examination Scheme         5 Hours / Week       4       CE : 40Marks         SEE: 60Marks       SEE: 60Marks         Server Objectives:       .       .         1. To introduce the filmmaking process .       .       .         2. To develop the ability to Understand the characteristics of films       .       .         3. To understand structured approach towards storytelling.       .       .         4. To develop and understand three act structure.       .       .         Course Outcomes: On completion of this course, students will be able to :       .       .         1. Explore various films all around the world and storytelling       .       .         2.understand the film making process and its working pipeline       .       .							
Course Type: Core Course Theory       Course Code:	Semester - I						
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2.understand the film making process and its working pipeline	Course Outcomes: On completion of this course, students will be able to :						
	1. Explore various films all around the world and storytelling						
	2.understand the film making process and its working pipeline						
Course Contents							
Chapter 1 Animation Processes 3Hour	Chapter 1						
<ul> <li>1.1 Covers the entire process from script to screen in process for an animation film (short or feature)</li> <li>1.2Overview of the Process</li> <li>1.3 Preproduction, Production, Post Production</li> <li>1.4 A comparison between live action film making &amp; animation The primary difference being that an animation film tends to be pegged down pretty accurately by the end of the preproduction process itself whereas for a live action film it is close to completion only at the end of editing which is a post production process.</li> </ul>							
Chapter 2 Preproduction 6 Hour	Chapter 2						

2.1 Story to Script					
2.2 Whether adapted or original, taking the story from a verbal or spatial medium like a book or graphic novel to a form suitable for making a film. What makes a good story?					
2.3 Plot & Character: Actior	Plots & Mind Plots. Analysis of different types of pl	ots			
2.4 Archetypes v/s Stereoty (hero's journey).	pes - understanding of archetypes and a brief introd	uction to the mono myth			
2.5 Why Animation? (instea	d of live action)				
Chapter 3	Production	10 Hour			
3.1 Animation					
3.2Acting - Animation is not	t about moving images but moving people				
3.3Traditional 2D anim					
3.4 a. Linetests - Keyframes & Timing (breakdowns & inbetweens) also brief introduction to thumbnailing (for quick exploration of alternative methods of animating a scene)					
3.5 Study comparisons between different rhythms of animation					
3.6Executing straight ahead and inbetweener planned animation, limited animation full animation					
3.7 Drawing key frames, breakdowns, inbetweens, animation cycles					
3.8 Cleanups					
Chapter 4	Post Production	10 Hour			
4.1 Voice, Music & Effects					
<ul><li>4.2 Understanding the dynamics of sound design and use of sound as a key component of animation</li><li>4.3Designing a soundtrack for animation including music, dialogue, voice overs, lip synch and FX</li><li>4.4Recording and mixing multiple tracks</li></ul>					
4.5Post processing sound					
4.6Compositing & Editing					
4.7Work in Progress. Development of a film from Animatic to Edit with different scenes at different stages. 4.8Coming together of the various elements of the scene.					
4.9 Final Mixing of Sound & Final Edit					
4.10 Understanding the dyr	namics of camera moves and magnifications				
Chapter 5	Visual Form	15Hour			

5.1 Exploring the look and feel for animation through concept art

5.2 Planning character design, layout design, illustration style, composition, staging, backgrounds

5.3 A study of indigenous design and painting, both contemporary and traditional to understand and analyze a variety of styles and visual language

#### **Reference Books:**

1. Mark Cotta Vaz, The Art of Finding Nemo, Chronicle Books, 2003

2. Gary Russell, The Art of The Fellowship of the Rings, Houghton Mifflin, 2002

- 3. Gary Russell, The Art of The Two Towers (The Lord of the Rings), Houghton Mifflin, 2003
- 4.Gary Russell, The Art of The Return of the King (The Lord of the Rings), Houghton Mifflin, 2004
- 5. Will Eisner, Graphic Storytelling, Poorhouse Press, 1996
- 6. Will Eisner, Comics and Sequential Art, Poorhouse Press, 1985
- 7. Scott McCloud, Understanding Comics, Perennial Currents, 1994

8. Bradford W. Wright, Comic Book Nation, Johns Hopkins University Press, 2003

9. Stephen Missal, Exploring Drawing for Animation (Design Exploration Series),

10. Thomson Delmar Learning, 2003

Semester - I						
Paper - IV Course Type: Core Course Practical Course Title : Practical course on Digital Image Editing						
Teaching SchemeNo. of CreditsExamination Scheme4hrs 20 mins Hrs / week4CE : 40MarksSEE: 60MarksSEE: 60Marks						
<b>Course Objectives:</b> 1.Adobe Photoshop is the predominant photo editing and manipulation software on the market. 2.Its uses range from full featured editing of large batches of photos to creating intricate digital paintings and drawings that mimic those done by hand						
Course Outcomes:         After going through this course, Students will be able to:         1.       Understand use of Photoshop         2.       Understand Interface of Adobe Photoshop         3.       Access File options in Adobe Photoshop         4.       Understand Selection tools in Adobe Photoshop         5.       Use Manipulation using selection tools in Adobe Photoshop         6.       Use Wrap tool in Adobe Photoshop         7.       Create Mockup for Frame in in Adobe Photoshop         8.       Access and use Cloning Effects in Adobe Photoshop         9.       Create Stationery Design in Adobe Photoshop         10.       Create Face Retouching in Adobe Photoshop         11.       Use Image Adjustment modes in Adobe Photoshop         12.       Define Brush in Adobe Photoshop         13.       Use Lightning effects in Adobe Photoshop         14.       Use Lightning effects in Adobe Photoshop         15.       Create Caricature in Adobe Photoshop         16.       Use Distort Effects in Adobe Photoshop         17.       Create Oil Paint and Blur Effects in Adobe Photoshop         18.       Use Filter Effects in Adobe Photoshop         19.       Create Dispersion Effect in Adobe Photoshop         18.       Use Filter Effects in Adobe Photo						

#### **Guidelines :**

Lab Book: The lab book is to be used as a hands-on resource, reference and record of assignment submission and completion by the student. The lab book contains the set of assignments which the student must complete as a part of this course.

#### Submission:

The assignments are to be submitted by the student in the form of a PDF Format. Each assignment includes the Assignment Title, Date of submission, Name of Students, Instructors sign.

#### Assessment:

Continuous assessment of laboratory work is to be done based on overall performance and lab assignments performance of students. Each lab assignment assessment will be assigned grade/marks based on parameters with appropriate weightage. Suggested parameters for overall assessment as well as each lab assignment assessment include- timely completion, performance, creativity.

#### **Operating Environment:**

For Digital Image editing Operating system: Windows 10 Software: Adobe Photoshop

#### Suggested List of Assignments:

**Assignment 1 - Greeting Card** 

**Assignment 2 - Basic photo Correction** 

**Assignment 3 - Working with selection** 

**Assignment 4 - Quick Fixes** 

Assignment 5 - Mask And channels

**Assignment 6 - Typographic Design** 

Assignment 7 -Vector Design

Assignment 8 – Advanced Compositing

Assignment 9 – working with brush and mix brush tool

**Assignment 10 - Creating layout** 

Course Type: Core Cours	Paper - V se Practical				
	se Practical				
Course Title - Practical		Course Code:			
	ourse on Digital 2D Ani	mation			
Teaching Scheme	No. of Credits	Examination Scheme			
4hrs 20 mins Hrs /	4	CE : 40Marks			
week		SEE: 60Marks			
Course Objectives:					
In This Course You will lear	n to animate Vector Graphic	s, Character animation and Motion Graphics .			
In the lesson you will get a	detailed structure of how to	animate 2d characters.			
		ocusing on one topic at a time, so you can easily			
rasp the lecture experiment	or practice.				
. what is taught and move to	the next lecture at your ow	in pace.			
Course Outcomes:					
	course, Students will be able	e to:			
1.Learn new tools					
_	g tools and create graphics				
3.Learn 2D digital animation					
4. learn and create Motion Graphic					
5. Create vector Graphic	animation				
	by the student. The lab	n resource, reference and record of assignmen book contains the set of assignments which the			
Submission:					
-	•	in the form of a .Fla, Swf and M4 Format. Each			
assignment includes the Ass	ignment Title, Date of subm	ission, Name of Students etc.			
Assessment:					
assignments performance of based on parameters with a	of students. Each lab assig ppropriate weightage. Sugg	e done based on overall performance and lal nment assessment will be assigned grade/mark ested parameters for overall assessment as well as tion, performance, creativity.			
Operating Environmen		tion, performance, creativity.			

For Digital 2d Animation Operating system: Windows 10 Software: Adobe Flash / Animate

Suggested List of Assignments:

**Assignment 1 - Animate Simple shapes using Adobe flash Assignment 2 - Practical based on motion tween Assignment 3 - Bouncing ball Assignment 4 - Create mask Effect to the text** Assignment 5- Shape to the text by using skew break apart Assignment 6- Deco tool to paint with symbol **Assignment 7- Spray Brush tool Assignment 8- Animate along path Assignment 9-Earth Rotation effect by mask Assignment 10- Motion presets Assignment 11- Modify Gradients Assignment 12-Motion tween on text Assignment 13-animation by using motion preset Assignment 14-Walking effect by frame** Assignment 15- create a button **Assignment 16-Create 3d rotation and transform** Assignment 17 -Create animation using onion tool

Semester - I Paper - VI						
Course Type: Core Course Practical Course Code: Course Title : Practical course on Audio Video editing						
Teaching Scheme 4hrs 20 mins Hrs / week	No. of Credits 4	Examination Scheme CE : 40Marks SEE: 60Marks				
<ul> <li>Course Objectives:</li> <li>1. Video Editing is a course designed to foster positive learning experiences while teaching the basic production and editing techniques of cinematography.</li> <li>2. The course is designed to involve students in the technological environment of both live and recorded video productions.</li> <li>3. It is a hands on course that involves active participation of the students working undertime constraints of production deadlines for videos.</li> <li>4. Students will learn: proper camera framing, how to create a shot sequence, video editing in Adobe Premiere.</li> </ul>						
1.learn how t 2.Generate a 3.Present the 4.Apply requi 5.learn Premi 6.Record shor 7.Import clips	ugh this course, Students will be able to: o combine basic design principles in video video by applying his/her knowledge. edited video. red corrections in his/her project and pre ere pro software in basic level. rt clips by using a camera. s to the hard disk. lips by using premiere Pro software.					

#### Guidelines :

Lab Book: The lab book is to be used as a hands-on resource, reference and record of assignment submission and completion by the student. The lab book contains the set of assignments which the student must complete as a part of this course.

#### Submission:

The assignments are to be submitted by the student in the form of an AVI or M4 Format. Each assignment includes the Assignment Title, Date of submission, Name of Students etc.

#### Assessment:

Continuous assessment of laboratory work is to be done based on overall performance and lab assignments performance of students. Each lab assignment assessment will be assigned grade/marks based on parameters with appropriate weightage. Suggested parameters for overall assessment as well as each lab assignment assessment include- timely completion, performance and creativity.

#### **Operating Environment:**

For Audio Video editing Operating system: Windows 10 Software: Adobe Premiere

#### Suggested List of Assignments:

Assignment 1 - Create a Presentation on Editing Software **Assignment 2. Create a Presentation on Premiere Tools and Panel** Assignment 3. Premiere Pro Interface and Basic Editing Lineup Assignment 4. Add video transition and effects on the previous lineup. Assignment 5. Add Audio in the timeline and match with the video Assignment 6. Create Titles and compose with your final sequence. Also, make a video render in H.264 Assignment 7. Create a presentable Video Matching Sound with Good **Transitions and Effects** Assignment 8. Using Ultra Keyer in Premiere Pro create a basic Compositing Assignment 9. Duplicate a Person using Chroma Screen and Crop tool Assignment 10. Create a color effects maintaining red color Assignment 11. Create a Stop Motion video using image sequence Assignment 12. Make a Creative Titles and apply lens flare effects on it and make presentable Motion Graphics Assignment 13. Create Intro sequence using text and animate titles with effects Assignment 14. Create a text for any interviewer with good animation effect5. Stylize your video using Track Matte Effects and Crop Effects Assignment 16. Create a Slow motion fast-motion video using time remapping and also use the stretch tool.

- a. Evaluation Criteria : The evaluation of students will be based on three parameters:-
  - Continuous Internal Evaluation (CIE).
  - Practical / Project Examination
  - Semester End Examination.
  - i. For Continuous Internal Evaluation (CIE): Internal assessment will be as follows:

#### **Theory Examination**

Credits :4 Duration : 1Hr/Exam Marks:40			
10 Marks Academic Performance	10 Marks Spirit of Collaboration	10 Marks Quiz Submission	10 Marks Class Test
Attendance	Active participation in class activities.	Submission of end module quizzes on regular basis	Minimum 40% marks required to get marks for class test.

ii. For Practical/Project Examination: Internal assessment will be as follows:

Practical Credits :4 Marks:40		Crec	Project dits :6 Mar	ks:60	
10 marks	20 Marks	10 Marks	20 marks	20 Marks	20 Marks
Attendance	Assignment submission on time	Lab Course Book / Journal	Idea and Originality	<b>accuracy</b> and reliability	Presentation

For Semester End Examination: The Duration of the SEE will be as follows:

Credits: 4	Duration : 2.5 hrs	Marks : 60
Q1	Q2	Q3
10	20	30
marks	marks	marks
Short answers	Descriptive	Multi choice
(any 5)	(any 2)	questions <b>(any 15</b> )
Each carry 4 marks)	Each carry 10 marks	Each carry 2 marks

#### For Theory Examination

#### For Practical/Project Examination

Practical Credits : 4 Marks:60 Duration : 3.5 Hours			Credits Durat	Project :6 Marks :90 ion : 3.5 Hours			
Q1	Q2	Q3	Q4	Q5	Q6	Portfolio	Project Presentation And Design
10 marks	10 marks	10 marks	10 marks	10 marks	10 marks	45 marks	45

# Semester - 2

	Semester - II	
	Paper - I	
Course Type: Core	e Course Theory Course	Code:
Course Title : Intro	oduction to Photography	
Teaching Scheme	No. of Credits	Examination Scheme
5 Hours / Week	4	CE : 40Marks SEE: 60Marks
	trates on techniques, aesthetics and communication in basics of digital photography through a series of assign	
Course Outcomes:		
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Beh</li> <li>Graduates with a min</li> </ol>	leas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images	
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Beh</li> <li>Graduates with a min and/or commercial pho</li> </ol>	leas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images <b>Course Contents</b>	and many other organizations.
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Beh</li> <li>Graduates with a min</li> </ol>	leas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images	
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Beh</li> <li>Graduates with a mir and/or commercial pho</li> <li>Chapter 1</li> <li>Invention Of Photog</li> <li>Camera ,Choosing A</li> </ol>	deas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images Course Contents Invention Of Photography graphy A Camera, Lenses: Type Of Lenses ngth, Aperture , Depth Of Field , Shutter Speeds ge Sensor	and many other organizations.
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Beha</li> <li>Graduates with a min and/or commercial photogenetics</li> <li>Chapter 1</li> <li>Invention Of Photogenetics</li> <li>Camera , Choosing , Incomparison of Langenetics</li> <li>Focusing , Focal Lendingenetics</li> <li>ISO, Aspect Ratio,</li> </ol>	deas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images Course Contents Invention Of Photography graphy A Camera, Lenses: Type Of Lenses ngth, Aperture , Depth Of Field , Shutter Speeds ge Sensor	and many other organizations.
<ol> <li>Creative Process</li> <li>Development of Skill</li> <li>Communication of Id</li> <li>Development of Behr</li> <li>Graduates with a min and/or commercial photogenetics</li> <li>Chapter 1</li> <li>Innvention Of Photogenetics</li> <li>Camera , Choosing ,</li> <li>Focusing , Focal Lending</li> <li>Focusing , Focal Lending</li> <li>Siso, Aspect Ratio,</li> <li>Full Frame, APS Ser</li> <li>Chapter 2</li> <li>Image Composition</li> <li>Subject Placement</li> </ol>	leas and Context avior nor in photography are prepared for a variety of caree otography. Our graduates work for Nike, Getty Images Course Contents Invention Of Photography graphy A Camera, Lenses: Type Of Lenses ngth, Aperture , Depth Of Field , Shutter Speeds ge Sensor	and many other organizations. 10 Hour

3.1 Light- What Is Light-Physics Of Light, Properties Of Light-Lighting Aesthetics, Colour Temperature, Direction, Quality Of Light Etc.

3.2 Light Sources: Natural Light, Artificial LightHard And Soft Light,Key Light, Fill Light,Rim Light ,Front Lighting, Side Lighting

3.3 Three Point Lighting- Studio Lighting

- 3.4 Light Modifiers:-Flash Diffusers, Soft Boxes, Snoots, Ban Doors
- 3.5 Honeycombs, Gels And Filters.

Chapter 4	Introduction To Object Photography	15 Hour

- 4.1 Introduction To Object Photography
- 4.2 Storytelling in photograph.
- 4.3 Importance of object placement (Composition)
- 4.4 Understanding lighting on object
- 4.5 Summary

Chapter 5	Photographic Projects	15 Hour		
5.1 Photographic Projects				
5.2 Product Photography	5.2 Product Photography			
5.3 Advertisement Photog	raphy			
5.4 Photography For Stop	5.4 Photography For Stop Motion Animation.			
Reference Books:				
1. Photography, the art of	composition: Bert Krages			
2. Photographic lighting Si	2. Photographic lighting Simplified:Susan McCartney			
3. Creative composition: H	3. Creative composition: Harold Davis			
4. The 3d photography bo	4. The 3d photography book:Jeffrey L. Cooper			
5. Focal Encyclopaedia of I	5. Focal Encyclopaedia of Photography: Focal Press Team			
6. 3D Storytelling: How Ste	ereoscopic 3D Works and How to Use It :Bruce Block			

	Semester - II		
	Paper - II		
Course Type: Core Co	ourse Theory	Course Co	ode:
Course Title : Princip	e of Animation		
Teaching Scheme	No. of Credits		Examination Scheme
5 Hours / Week	4		CE : 40Marks SEE: 60Marks
Course Objectives:	<u> </u>		
basic tools etc.	he basic concepts, theories and princ		
3. Knowledge about usin			
4. without using these a	nimation basics, they will not get des		
4. Without using these a Chapter 1	nimation basics, they will not get des Course Content Types Of Animation		10 Hour
Chapter 1 1.1 Animation - Definition - 1.2 Early Animation Device	Course Content Types Of Animation Short History Of Animation - Persiste es – Techniques Of Animation – Diffe	<b>s</b> ence Of Vision rent Types Of An	imation -
<b>Chapter 1</b> 1.1 Animation - Definition - 1.2 Early Animation Device 1.3 Workflows Of Different	Course Content Types Of Animation Short History Of Animation - Persiste es – Techniques Of Animation – Diffe	<b>s</b> ence Of Vision rent Types Of An	imation -
Chapter 1 1.1 Animation - Definition - 1.2 Early Animation Device 1.3 Workflows Of Different 1.4Types Of Animation - Ex Chapter 2 2.1Animation Equipment 2.2Line/Pencil Tests - Fiel 2.3 The Exposure Sheet (X	Course Content Types Of Animation Short History Of Animation - Persister es – Techniques Of Animation – Differ Types Of Animation -Preproduction, xperimental Animations. Animation Equipment - Peg Holes And Peg Bars – Cels - Lig d Charts - Rostrum Camera	s ence Of Vision rent Types Of An , Production And	imation - Post-Production Stages <b>10 Hour</b>

<ul> <li>3.1 Basic Principles Of Animation</li> <li>3.2 Squash And Stretch</li> <li>3.3 Anticipation</li> <li>3.4 Staging</li> <li>3.5 Straight Ahead And Pose To Pose Animation</li> </ul>			
Chapter 4	Principles Of Animation part II	15 Hour	
<ul> <li>4.1 Follow Through And Overlapping Action</li> <li>4.2 Slow Out And Slow In</li> <li>4.3 Arcs</li> <li>4.4Secondary Action</li> <li>4.5Timing</li> <li>4.6Exaggeration</li> <li>4.7 Solid Drawing</li> <li>4.8Appeal.</li> </ul>			
Chapter 5	Camera Techniques	10 Hour	
5.1Camera Techniques – Types Of Shots - Basic Shots And Their Intermediary Shots 5.2Camera Angles - Camera Movements - Dramatic Effects 5.3 Visual Continuity - Picture Composition 5.4 Compositional Techniques - Rule Of Thirds - Rule Of Odds - Rule Of Space – Simplification.			
Reference Books:			
<ol> <li>The History of Animation: Charles Solomon</li> <li>The Animator's Survival Kit: Richard Williams</li> <li>Disney Animation - The Illusion of Life: Frank Thomas and Ollie Johnston</li> <li>Animation From Pencils To Pixels: Tony White</li> <li>How to Make Animated Films : Tony White</li> </ol>			

Semester - II				
Paper - III				
Course Type: Core Course Theory Course Code:				
Course Title : Basic Drawing II				
Teaching Scheme	No. of Credits	Examination Scheme		
5 Hours / Week	4	CE : 40Marks		
		SEE: 60Marks		
Course Objectives:				
1. Includes essential animat	ion drawing techniques like sketching, perspective d	rawing etc.		
2. This course also deals wit	h some of the pre-production stages like character d	lesigning, preparation of		
model sheets, blueprint cre	eation and layout design.			
Course Outcomes:				
1. Advanced Concept of Pe	rspective Drawing			
	pout anything in space accurately			
3.To be able to design belie				
4.Expand your Visual librar				
5.Story driven visualization				
	ning for a life in art and design			
7.Time as a resource				
8.To focus the channel and	utilize creative energies optimally in order to achieve	e course obiectives and get		
ready for a career in art.				
	<b>Course Contents</b>			
Chapter 1	Human Figure Drawing	10 Hour		
1.1 Memory And Imaginatio	on Drawing - Life Drawing – Use Of Basic Shapes And	Forms		
	Sketching From Live Models - Attitude - Gestures - L			
•	5 - Line Of Action – Balance – Rhythm –	and Drawing Quick Sketciles		
1.3 Positive And Negative S	-			
1.4 Silhouettes	Paces			
1.5 Caricaturing Fundamen	tals - Exaggeration			
	Advance perspective	[		
Chapter 2	Auvance perspective	10 Hour		

<ul> <li>2.1 Perspective Drawing – Vanishing Points – Orthogonal Lines – Horizon –Eye Level</li> <li>2.2 One Point Perspective – Two Point Perspective - Three Point Perspective</li> <li>2.3 Multi- Point Perspective - Overlapping And Intersection Of Shapes In One Point, Two Point And Three</li> <li>Point Perspective Views</li> <li>2.4 Objects And Shapes In Perspective With Light And Shade</li> <li>2.5 Foreshortening</li> </ul>			
Chapter 3	Lighting And Shading	10 Hour	
<ul> <li>3.1 Tones - Lighting And Shading</li> <li>3.2 Basic 3-Dimensional Light Set Up</li> <li>3.3 Several Types Of Shadows – Cast Shadow – Contact Shadow – Contour Shadow</li> <li>3.4 Reflected Light – Overhang Shadow – Highlight – Core Shadow.</li> </ul>			
Chapter 4	Visualization-Character Designing	15 Hour	
<ul> <li>4.1 Visualization - Character Designing - Features Of A Character – Types/Kinds Of Characters</li> <li>4.2 Designing Props And Assets Of Character</li> <li>4.3 Creating Turnarounds / Character Model Sheets – Blueprints</li> <li>4.4 Character Size Comparison Charts</li> <li>4.5 Character Attitude Poses</li> </ul>			
Chapter 5	BG Designing	15 Hour	
<ul> <li>5.1 Layout – Tools For A Layout Artist – Scale In Layout</li> <li>5.2 Perspective Drawing In Layout – Lighting And Shading In Layout – Field Sizes – Planning Pan, Tilt, Rotation, Multiple Pans Etc.</li> <li>5.3 Framing And Composing A Layout – Staging – Match Lines – Field Size Graticule - Field Size Set Up – Cut Off Guides</li> <li>5.4 Concept Of Layers - Background, Mid Ground, Foreground Elements</li> <li>5.5 Character Interaction With The Scene And The Backgrounds</li> </ul>			
5.2 Perspective Drawing In Rotation, Multiple Pans Et 5.3 Framing And Composi Off Guides 5.4 Concept Of Layers - Ba	Layout – Lighting And Shading In Layout – Field Size c. ng A Layout – Staging – Match Lines – Field Size Gra nckground, Mid Ground, Foreground Elements	-	
5.2 Perspective Drawing In Rotation, Multiple Pans Et 5.3 Framing And Composi Off Guides 5.4 Concept Of Layers - Ba	Layout – Lighting And Shading In Layout – Field Size c. ng A Layout – Staging – Match Lines – Field Size Gra nckground, Mid Ground, Foreground Elements	-	

Semester - II				
Paper - IV				
Course Type: Core Course Practical Course Code:				
Course Title : BG Design				
Teaching Scheme 4hrs 20 mins Hrs / week	No. of Credits 4	Examination Scheme CE : 40Marks SEE: 60Marks		
Course Objectives: 1.Strong emphasis i	s placed on the special training for drawi	ng and painting ofCel Animation backgrounds.		
Course Outcomes: 1.understanding use perspective 2.how to use camera angle 3.understanding composition and its use 4.how to use Layout 5.understanding depth of field 6. Understanding of background, foreground				
Guidelines : Lab Book: The lab book is to be used as a hands-on resource, reference and record of assignment submission and completion by the student. The lab book contains the set of assignments which the student must complete as a part of this course. Submission: The assignments are to be submitted by the student in the form of artwork on A4 size. Each assignment includes rough drawing and final output with the Assignment Title, Date of submission, Name of Students.				
assignments perfor based on paramete	rmance of students. Each lab assignme	one based on overall performance and lab ent assessment will be assigned grade/marks ed parameters for overall assessment as well as , performance and creativity.		

Suggested List of Assignments:

Assignment 1 - Washes: - Plain/Flat, Graded, Wet In Wet, Dry Brush Etc.

Assignment 2 - Color Wheel: - Primary, Secondary, Complementary, Warm / Cool Colors -

Assignment 3Color Values - Color Harmony -Light And Shade - Reflected Light

Assignment 4-BG Painting: - Trees, Mountains, Clouds, Water Bodies, Meadows

Assignment 5-Buildings, Science Fiction Story Backgrounds

**Assignment 6 - Painting Backgrounds For Mythological Stories** 

Assignment 7 - Day/Night Scenes.

Semester - II						
Paper - V						
Course Type: Core Course Practical Course Code:						
Course Title : Digital 2D Animation II						
Teaching Scheme	Feaching Scheme No. of Credits Examination Schem					
4hrs 20 mins Hrs /	4	CE : 40Marks				
week		SEE: 60Marks				
Course Objectives:	uced to Digital 2D animation using any o	ne of the popular 2D Animation Softwares.				
	ces students to Digital 2D animation damp dry o	ne of the popular 20 Annation softwares.				
	techniques are learned through various	practical assignments.				
3. Knowledge about using animation pipeline 4.Without using these animation basics, they will not get desired results.						
Guidelines :						
Lab Book: The lab book is to be used as a hands-on resource, reference and record of assignment submission and completion by the student. The lab book contains the set of assignments which the student must complete as a part of this course.						
Submission:						
The assignments are	e to be submitted by the student in the f	orm of an AVI or M4 Format. Each assignment				
includes the Assignment Title, Date of submission, Name of Students etc.						
Assessment:						
Continuous assessment of laboratory work is to be done based on overall performance and lab assignments performance of students. Each lab assignment assessment will be assigned grade/marks based on parameters with appropriate weightage. Suggested parameters for overall assessment as well as each lab assignment assessment include- timely completion, performance and creativity.						
<b>Operating Environment:</b> For Digital 2d Animation						
Operating system: Windows 10						

Software: Adobe Flash / Animate

Suggested List of Assignments:

Assignment 1- Tracing An Image Assignment 2– Tweening Assignment 3- Rotoscoping Assignment 4-Working With Text Assignment 5- Working with Special Effects Assignment 6- Cyclic Animations Assignment 7- Lip Sync Animation Assignment 8-Setting Up Camera Techniques

- a. Evaluation Criteria : The evaluation of students will be based on three parameters:-
  - Continuous Internal Evaluation (CIE).
  - Practical / Project Examination
  - Semester End Examination.

#### iii. For Continuous Internal Evaluation (CIE): Internal assessment will be as follows:

#### **Theory Examination**

Credits :4 Duration : 1Hr/Exam Marks:40				
10 Marks Academic Performance 10 Marks Spirit of Collaboration		10 Marks Quiz Submission	10 Marks Class Test	
Attendance	Active participation in class activities.	Submission of end module quizzes on regular basis	Minimum 40% marks required to get marks for class test.	

iv. For Practical/Project Examination: Internal assessment will be as follows:

Practical Credits :4 Marks:40			Project Credits :6 Marks:60		
10 marks	20 Marks	10 Marks	20 marks	20 Marks	20 Marks
Attendance	Assignment submission on time	Lab Course Book / Journal	Idea and Originality	<b>accuracy</b> and reliability	Presentation

For Semester End Examination: The Duration of the SEE will be as follows:

Credits: 4	Marks : 60 Duration : 2.5 hrs			
Q1	Q2	Q3		
10	20	30		
marks	marks	marks		
Short answers	Descriptive	Multi choice		
(any 5)	(any 2)	questions <b>(any 15</b> )		
Each carry 4 marks)	Each carry 10 marks	Each carry 2 marks		

#### For Theory Examination

#### For Practical/Project Examination

Practical Credits : 4 Marks:60 Duration : 3.5 Hours				Project Credits :6 Marks :90 Duration : 3.5 Hours			
Q1	Q2	Q3	Q4	Q5	Q6	Portfolio	Project Presentation And Design
10 marks	10 marks	10 marks	10 marks	10 marks	10 marks	45 marks	45